

Abstract

The invention relates to the commutation of electromechanical, commutatorless actuators, more particularly of permanent magnet motors and reluctance motors, having a rotor and a stator including at least one stator winding (W1, W2) that is/are operated with a constant current (I_{PWM}). The method for determining the moment of commutation used herein comprises the following steps: A reference constant current is applied to at least one of the windings (W1, W2) and a stationary state is awaited. Then, a value that represents the voltage applied to the winding of the actuator in the stationary state is determined as the reference commutation value for the commutation voltage.

While the motor is running, the commutation (if the motor is being operated with the reference current) is performed as soon as the reference value appears or a specified time later.